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Packet classification, Ternary **CAMs**, Multi-match, Range, 1. INTRODUCTION ... key, the TCAM searches the **key** in parallel against all the ternary ...

www.sigcomm.org/sigcomm2005/paper-LakRan.pdf -

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Bit **Mask** (H). Add/Delete Rules. Arrival. **Packet + Key**. No. Figure2: Architecture of our **packet classification** system action is independent of **classification** ...

smartech.gatech.edu/bitstream/1853/6566/1/GIT-CC-01-11.pdf -

[Survey and Taxonomy of Packet Classification Techniques](#)

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Additional **Key** Words and Phrases: **Packet classification**, flow identification. 1.

INTRODUCTION tional 32 bits are used to specify a **mask**. There are ...

portal.acm.org/ft_gateway.cfm?id=1108958&iype=pdf -

[Packet Classification by Multilevel Cutting of the Classification ...](#)

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This paper provides a new algorithmic-architectural solution for **packet classification** that mixes **CAMs** with algorithms based on multilevel cutting of the ...

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called **packet classification**, and could be based on an arbitrary number of A **CAM** takes as input a search **key**, compares the **key** in parallel with all ...

citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.124.6863... -

[Method, system and computer program product for classifying packet ...](#)

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Jun 13, 2006 ... The system of claim 22, wherein said **mask** constructor assemblies said one or The **key** idea in **packet classification** is to find a best fit among a set of If using **chunk** of bits, a subset of bit locations must be selected The **CAM** is M words long and I-x bits wide. The **packet key** obtained ...

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Mar 3, 2005 ... We provide a thorough overview of **CAM** technologies and **packet classification** algorithms, along with a detailed discussion of the scaling ...

www.arl.wustl.edu/~det3/papers/lecam_tech_report_v1.pdf -

[Packet Classification](#)



level is used to form the hash **key**, the input to the hash function. **Classification Scheme**. All rules that map to a particular tuple have the same **mask**: ...

doi.wiley.com/10.1002/9780470113950.ch3 -

Research on Conversion Method of Rule in Packet Classification



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rule's form of the **packet classification**. And the formalization of rule is the **key** for designing and implementing the **packet classification**. The old ...


doi.ieeecomputersociety.org/10.1109/ICIC.2009.71 -  

Efficiency masked matching - US Patent 7054315 Description

A number of network services require **packet classification** including ... The search **key** is a data structure of the extracted packet data fields. The above description invention can be customized to work with any **mask matching** method. ... The number of chunks is W/s. For each **chunk**, a 3-dimensional partial ...

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